

What Is Claimed Is:

1. A device for detecting the cylinder pressure in an internal combustion engine, in particular in a diesel engine, having a sensor (26) and a glow plug (11), which has a housing (13) via which it can be mounted preferably in a cylinder head (14) of the engine, the glow plug (11) having a glow element (17) at one first end (16), which, when the glow plug (11) is installed, at least partially protrudes into a combustion chamber (19) of the engine and in which the glow element (17) is attached to the glow plug (11) by a fastening element (22), wherein the sensor (26) is situated between the fastening element (22) and the second end (24) of the glow plug (11).
2. The device as recited in Claim 1, wherein the sensor (26) is separated from the fastening element (22) of the glow element (17) and is secured in the glow plug (11) at least indirectly via a fastener (29).
3. The device as recited in Claim 2, wherein the sensor (26) is connected to the glow element (17) at least indirectly by friction lock.
4. The device as recited in Claim 3, wherein the at least indirect friction lock between the sensor (26) and the glow element (17) is implemented with pre-stress.
5. The device as recited in Claim 2, wherein the sensor (26) is connected to the fastener (29) at least indirectly by friction lock.
6. The device as recited in Claim 5, wherein the at least indirect friction lock between the sensor (26) and the fastener (29) is implemented with pre-stress.

- 7: The device as recited in one of Claims 1 through 4, wherein the sensor (26) is separated from the glow element (17) by at least one spacer (27).
8. The device as recited in Claim 5 or 6, wherein the sensor (26) is separated from the fastening element (29) by at least one spacer element (28).
9. The device as recited in Claim 7 or 8, wherein the spacer (27) or the spacer element (28) is an intermediate sleeve.
10. The device as recited in Claim 9, wherein the intermediate sleeve as spacer (27) or spacer element (28) is made of graphite.
11. The device as recited in one of the preceding claims, wherein the fastener (29) is a sleeve caulked to the housing (13).
12. The device as recited in one of the preceding claims, wherein the sensor (26) is a force sensor designed as a piezoelectric ring.